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Product datasheet for UM800030

p95 NBS1 (NBN) Mouse Monoclonal Antibody [Clone ID: UMAB100]

Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB100
Applications:	10k-ChIP, IF, IHC, WB
Recommended Dilution:	IHC 1:100, IF 1:100
Reactivity:	Human, Monkey
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 183-460 of human NBN (NP_002476) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5~1.0 mg/ml (Lot Dependent)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	84.8 kDa
Gene Name:	nibrin
Database Link:	NP_002476 Entrez Gene 4683 Human O60934
Background:	Mutations in this gene are associated with Nijmegen breakage syndrome, an autosomal recessive chromosomal instability syndrome characterized by microcephaly, growth retardation, immunodeficiency, and cancer predisposition. The encoded protein is a member of the MRE11/RAD50 double-strand break repair complex which consists of 5 proteins. This gene product is thought to be involved in DNA double-strand break repair and DNA damage-induced checkpoint activation. [provided by RefSeq, Jul 2008]

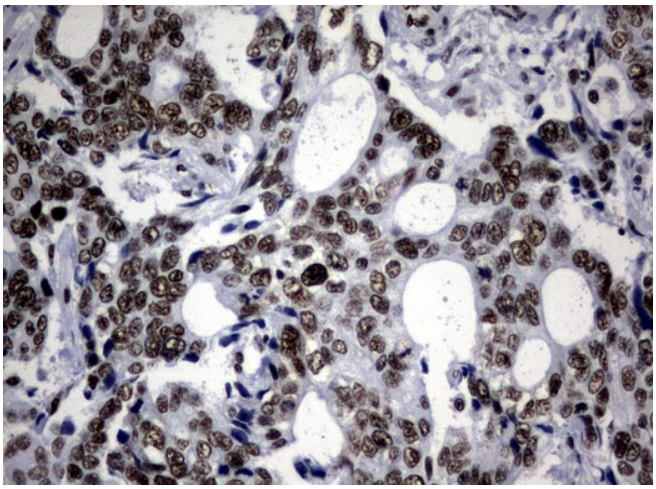
View online »

Synonyms: AT-V1; AT-V2; ATV; NBS; NBS1; P95

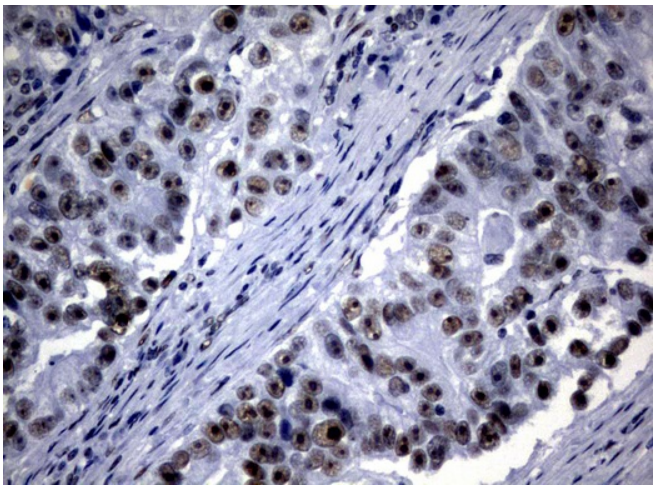
Protein Families: Druggable Genome

Protein Pathways: Homologous recombination

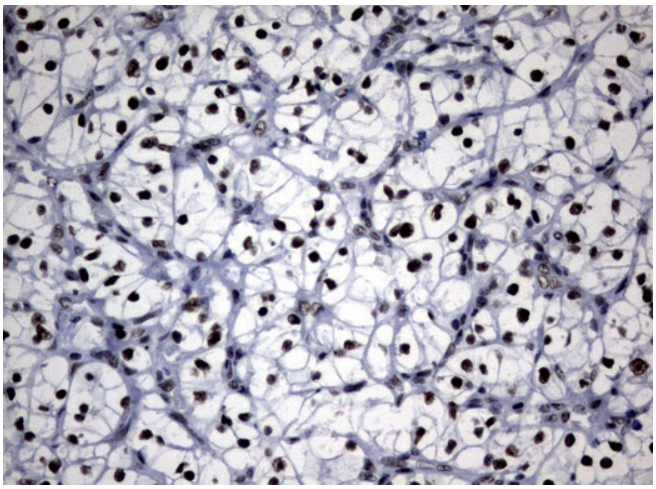
Product images:



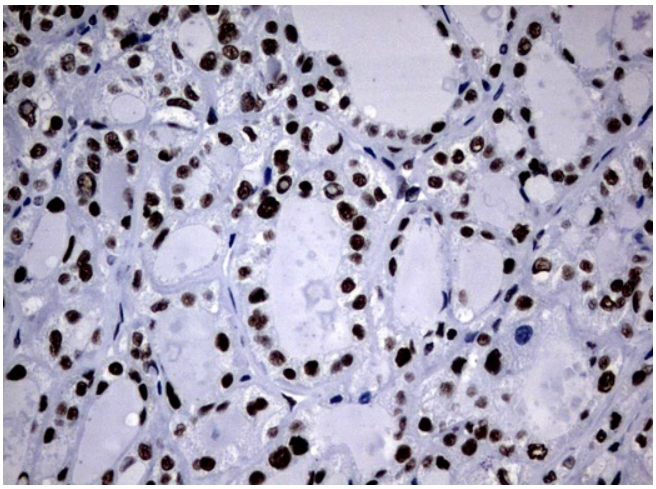
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-NBN mouse monoclonal antibody. (UM800030; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



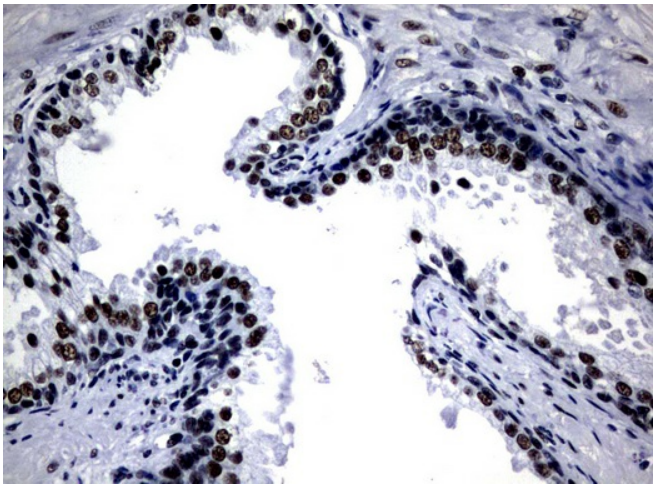
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-NBN mouse monoclonal antibody. (UM800030; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



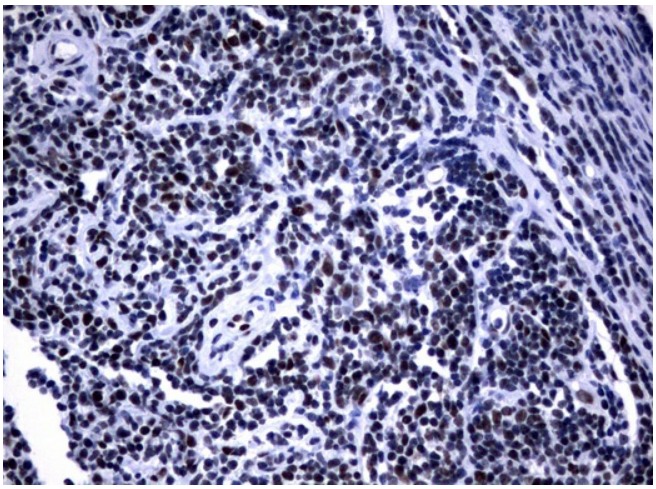
Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-NBN mouse monoclonal antibody. (UM800030; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



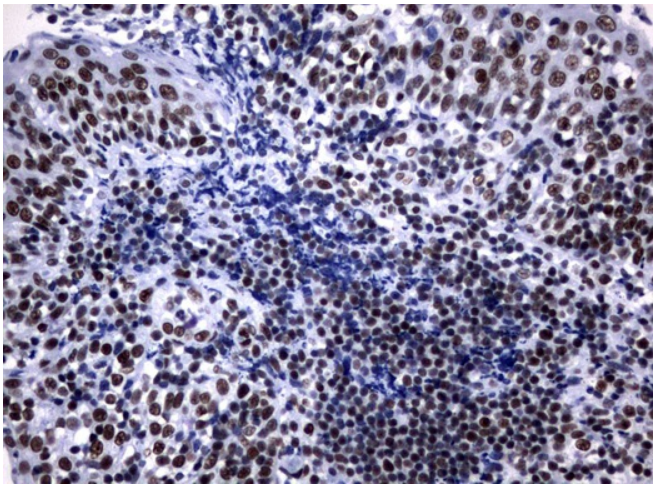
Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-NBN mouse monoclonal antibody. (UM800030; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



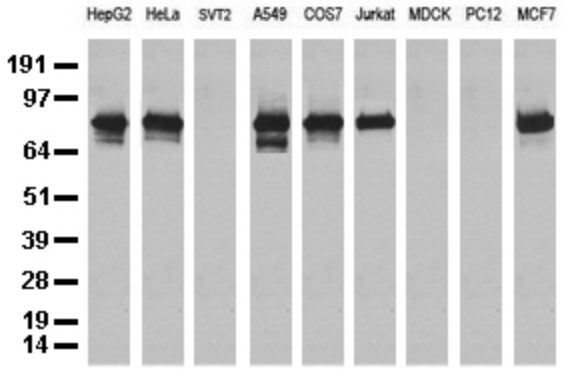
Immunohistochemical staining of paraffin-embedded Human prostate tissue using anti-NBN mouse monoclonal antibody. (UM800030; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



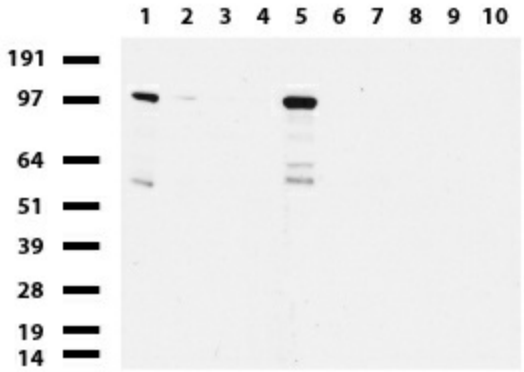
Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-NBN mouse monoclonal antibody. (UM800030; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



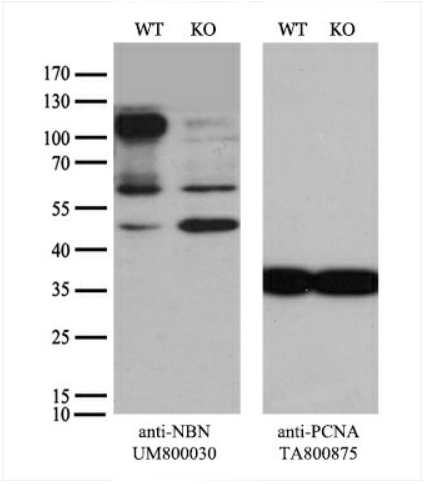
Immunohistochemical staining of paraffin-embedded Human tonsil using anti-NBN mouse monoclonal antibody. (UM800030; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



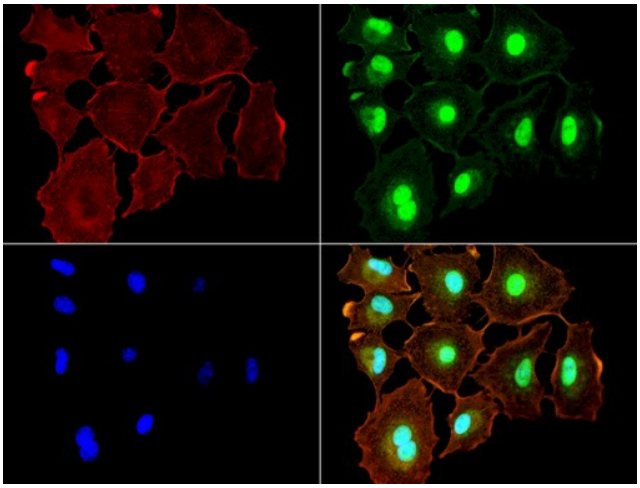
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-NBN monoclonal antibody (Clone UMAB100).



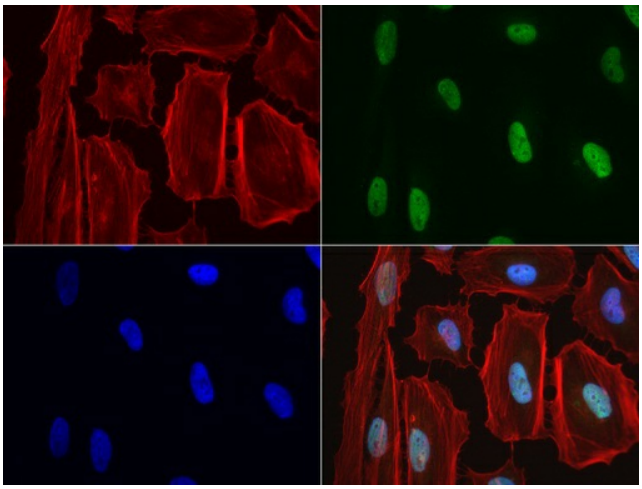
Western blot of human tissue lysates (15ug) from 10 different tissues (1: Testis, 2: Omentum, 3: Uterus, 4: Breast, 5: Brain, 6: Liver, 7: Ovary, 8: Thyroid, 9: Colon, 10: Spleen). Diluation: 1:500.



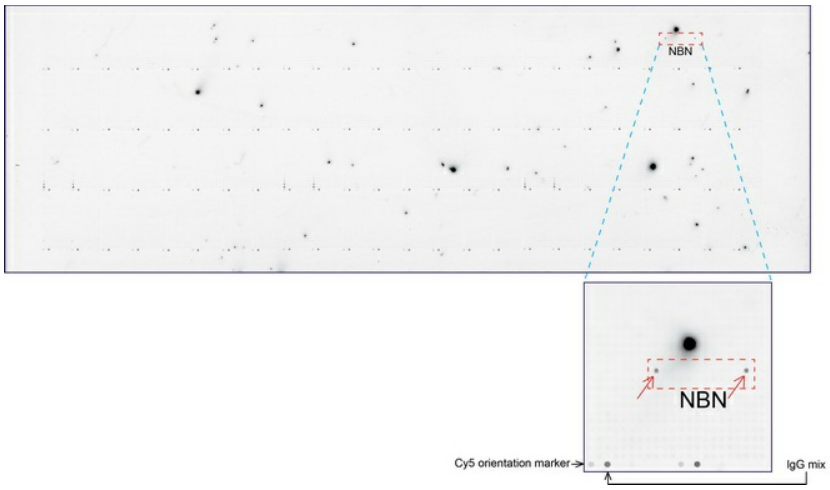
Equivalent amounts of cell lysates (10 ug per lane) of wild-type HeLa cells (WT, Cat# LC810HELA) and NBN-Knockout HeLa cells (KO, Cat# [LC831313]) were separated by SDS-PAGE and immunoblotted with anti-NBN monoclonal antibody UM800030 (1:500). Then the blotted membrane was stripped and reprobed with anti-PCNA antibody as a loading control.



Immunofluorescent staining of A549 cells using NBN mouse monoclonal antibody (UM800030, green). Actin filaments were labeled with TRITC-phalloidin (red), and nuclear with DAPI (blue). The three-color overlay image is located at the bottom-right corner.



Immunofluorescent staining of HeLa cells using anti-NBN mouse monoclonal antibody (UM800030, green, 1:50). Actin filaments were labeled with Alexa Fluor® 594 Phalloidin (red), and nuclear with DAPI (blue).



OriGene overexpression protein microarray chip was immunostained with UltraMAB anti-NBN mouse monoclonal antibody (UM800030). The positive reactive proteins are highlighted with two red arrows in the enlarged subarray. All the positive controls spotted in this subarray are also labeled for clarification.